Mouse anti-Human, Mouse PKNOX2 Monoclonal Antibody | anti-PKNOX2 antibody

PKNOX2 (PREP2, Homeobox Protein PKNOX2, Homeobox Protein PREP-2, PBX/Knotted Homeobox 2, FLJ13074) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25208	**Mouse**	**Human, Mouse**	**ELISA, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

PKNOX2; Monoclonal Antibody; PKNOX2 (PREP2; Homeobox Protein PKNOX2; Homeobox Protein PREP-2; PBX/Knotted Homeobox 2; FLJ13074) (FITC); anti-PKNOX2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4B6
Specificity	Recognizes human PKNOX2. Species Crossreactivity: mouse.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-PKNOX2 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa116-216 from human PKNOX2 (NP_071345) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PELDNLMVKAIQVLRIHLLELEKVNELCKDFCNRYITCFKTKMHSDNLLRNDLGGPYSPNQPSINLHSQDLLQNSPNSMSGVSNNPQGIVVPASALQQGN
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES

WB (Western Blot)
PKNOX2 monoclonal antibody. Western Blot analysis of PKNOX2 expression in NIH/3T3.

WB (Western Blot)
Western blot analysis of PKNOX2 over-expressed 293 cell line, cotransfected with PKNOX2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with PKNOX2 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PKNOX2 on HeLa cell. [antibody concentration 10ug/ml].

WB (Western Blot)
Western Blot analysis of PKNOX2 expression in transfected 293T cell line by PKNOX2 monoclonal antibody. Lane 1: PKNOX2 transfected lysate (51.9kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
PKNOX2 monoclonal antibody, Western Blot analysis of PKNOX2 expression in Hela NE.

WB (Western Blot)
Western Blot detection against Immunogen (37.11kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-PKNOX2 antibody	Antibodies; Transcription Factors; Homeobox (HOX)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116812644
NCBI GeneID	63876
NCBI Accession #	NP_071345
NCBI GenBank Nucleotide #	NM_022062
UniProt Accession #	Q9H921; Q96KN3
Molecular Weight	34kDa
NCBI Official Full Name	homeobox protein PKNOX2
NCBI Official Synonym Full Names	PBX/knotted 1 homeobox 2
NCBI Official Symbol	PKNOX2
NCBI Official Synonym Symbols	PREP2
NCBI Protein Information	homeobox protein PKNOX2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pknox2-antibody-clone-4b6-immunofluorescence-western-blot-elisa/25208